

Title (en)

CATIONIC PARTICLE AND A PROCESS FOR MAKING THEREOF

Title (de)

KATIONISCHES TEILCHEN UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

PARTICULE CATIONIQUE ET PROCEDE DE FABRICATION CORRESPONDANT

Publication

EP 1149155 B1 20050427 (EN)

Application

EP 99905576 A 19990201

Priority

US 9902082 W 19990201

Abstract (en)

[origin: WO0044874A1] The present invention relates to a cationic particle containing an aqueous cationic surfactant solution adsorbed to a water-insoluble high absorbing material. Preferably, the water-insoluble high absorbing material has an oil absorption (using d-butyl phthalate) of from about 140 mL/100g to about 400 mL/100g. A process for making the cationic particle is also described herein. The cationic particle can be incorporated into a particulate detergent composition.

IPC 1-7

C11D 17/00; **C11D 11/00**; **C11D 11/02**

IPC 8 full level

C11D 1/62 (2006.01); **C11D 3/12** (2006.01); **C11D 3/20** (2006.01); **C11D 11/00** (2006.01); **C11D 17/00** (2006.01); **C11D 17/06** (2006.01); **C11D 1/38** (2006.01)

CPC (source: EP)

C11D 11/0088 (2013.01); **C11D 17/0034** (2013.01); **C11D 1/38** (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

WO 0044874 A1 20000803; AT E294228 T1 20050515; AU 2570899 A 20000818; BR 9917013 A 20020115; CA 2359319 A1 20000803; CA 2359319 C 20050614; CN 1334865 A 20020206; DE 69925037 D1 20050602; DE 69925037 T2 20060309; EP 1149155 A1 20011031; EP 1149155 B1 20050427; ES 2241261 T3 20051016; JP 2002535480 A 20021022

DOCDB simple family (application)

US 9902082 W 19990201; AT 99905576 T 19990201; AU 2570899 A 19990201; BR 9917013 A 19990201; CA 2359319 A 19990201; CN 99815982 A 19990201; DE 69925037 T 19990201; EP 99905576 A 19990201; ES 99905576 T 19990201; JP 2000596119 A 19990201